

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|--------------------------------------|---------------|-----------------------------------|---------------------|--------------------------|-----------------|------------|----------------|-------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shilin Chen</td> <td>02/18/2008</td> </tr> <tr> <td>William W. King</td> <td>02/15/2008</td> </tr> </tbody> </table> | | Name | Execution Date | Shilin Chen | 02/18/2008 | William W. King | 02/15/2008 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Shilin Chen | 02/18/2008 | | | | | | | | | | |
| William W. King | 02/15/2008 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Halliburton Energy Services, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>10200 Bellaire Boulevard</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77072-5299</td> </tr> </table> | | Name: | Halliburton Energy Services, Inc. | Street Address: | 10200 Bellaire Boulevard | City: | Houston | State/Country: | TEXAS | Postal Code: | 77072-5299 |
| Name: | Halliburton Energy Services, Inc. | | | | | | | | | | |
| Street Address: | 10200 Bellaire Boulevard | | | | | | | | | | |
| City: | Houston | | | | | | | | | | |
| State/Country: | TEXAS | | | | | | | | | | |
| Postal Code: | 77072-5299 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13540451</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13540451 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13540451 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| Phone: | 512-322-2500 | | | | | | | | | | |
| Email: | apatent@bakerbotts.com | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | |
| Correspondent Name: | BAKER BOTTS L.L.P. PATENT DEPARTMENT | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 074263.0681 | | | | | | | | | | |
| NAME OF SUBMITTER: | Crystle Garbade | | | | | | | | | | |
| Total Attachments: 2 source=074263-0681-assignment#page1.tif source=074263-0681-assignment#page2.tif | | | | | | | | | | | |

CH \$40.00 13540451

ASSIGNMENT

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FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Halliburton Energy Services, Inc. (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 10200 Bellaire Boulevard, Houston, Texas 77072-5299, USA, the/their entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the International application for Letters Patent, Serial No. PCT/US2008/052468 which has been filed on **January 30, 2008** and is entitled "**ROTARY DRILL BITS WITH PROTECTED CUTTING ELEMENTS AND METHODS,**" including and claiming priority to US Provisional Application No. 60/887,459, such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

PCT Serial Number: PCT/US2008/052468 filed January 30, 2008

Title of Invention: **ROTARY DRILL BITS WITH PROTECTED CUTTING ELEMENTS
AND
METHODS**

Priority Documents: US Provisional Application No. 60/887,459 January 31, 2007

Signature of Joint Inventor:
Inventor's Name:



Shilin CHEN

Residence (City, Country)

The Woodlands, U.S.A.

Date:

2-18-08

ATTORNEY DOCKET NO.
074263.0452

PCT/US2008/052468

ASSIGNMENT

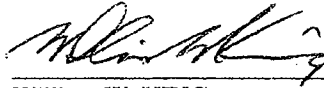
2

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AND METHODS**

Priority Documents: US Provisional Application No. 60/887,459 January 31, 2007

Signature of Joint Inventor:
Inventor's Name:



William W. KING

Residence (City, Country)

Houston, U.S.A.

Date:

FEB. 15, 2008